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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/512,092	10/21/2004	Bernd Wenderoth	4396-9	8561
23117	7590 05/08/2006		EXAMINER	
NIXON & VANDERHYE, PC 901 NORTH GLEBE ROAD, 11TH FLOOR			BENTON, JASON	
	N, VA 22203	LOOK	ART UNIT	PAPER NUMBER
			3747	
			DATE MAILED: 05/08/2006	5

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)	
	10/512,092	WENDEROTH E	T AL.
Office Action Summary	Examiner	Art Unit	
	Jason Benton	3747	
The MAILING DATE of this communication	appears on the cover sheet v	vith the correspondence a	ddress
Period for Reply			···
A SHORTENED STATUTORY PERIOD FOR REWHICHEVER IS LONGER, FROM THE MAILING - Extensions of time may be available under the provisions of 37 CFR after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory per - Failure to reply within the set or extended period for reply will, by state Any reply received by the Office later than three months after the maximum datent term adjustment. See 37 CFR 1.704(b).	B DATE OF THIS COMMUN R 1.136(a). In no event, however, may a grow will apply and will expire SIX (6) MC atute, cause the application to become A	ICATION. I reply be timely filed INTHS from the mailing date of this (ABANDONED (35 U.S.C. § 133).	
Status			
	2 Fobruary 2006		
1) Responsive to communication(s) filed on <u>13</u> 2a) This action is FINAL . 2b) ⊠ T	his action is non-final.		
·-		ttors procedution as to th	o morito io
 Since this application is in condition for allow closed in accordance with the practice under 	•	•	e mems is
closed in accordance with the practice unde	ei Ex paile Quayle, 1955 C.	D. 11, 433 O.G. 213.	
Disposition of Claims			; ,
4) Claim(s) 1-13 is/are pending in the application	ion.		•
4a) Of the above claim(s) is/are without	drawn from consideration.		
5) Claim(s) is/are allowed.			
6)⊠ Claim(s) <u>1-13</u> is/are rejected.			
7) Claim(s) is/are objected to.			
8) Claim(s) are subject to restriction and	d/or election requirement.		
Application Papers			
9) The specification is objected to by the Exam	iner.		
10)⊠ The drawing(s) filed on <u>21 October 2004</u> is/a		objected to by the Examir	ner.
Applicant may not request that any objection to t	•	•	
Replacement drawing sheet(s) including the corr	rection is required if the drawing	g(s) is objected to. See 37 C	FR 1.121(d).
11)☐ The oath or declaration is objected to by the	Examiner. Note the attache	ed Office Action or form P	TO-152.
Priority under 35 U.S.C. § 119			
12)⊠ Acknowledgment is made of a claim for fore	ian priority under 35 U.S.C.	& 119(a)-(d) or (f)	
a)⊠ All b)□ Some * c)□ None of:	ight phoney under do d.d.d.	3 1 10(4) (4) 51 (1).	
1. ☐ Certified copies of the priority docume	ents have been received.		, ·•
2. Certified copies of the priority docume		Application No.	
3. ☐ Copies of the certified copies of the p			Stage
application from the International Bur	•		3
* See the attached detailed Office action for a l	, , , , , , , , , , , , , , , , , , , ,	t received.	
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14toohmon4/s)			A
Attachment(s)) Notice of References Cited (PTO-892)	4) 🖂 Intonéou	Summary (PTO-413)	
P) Notice of Draftsperson's Patent Drawing Review (PTO-948)	Paper No	(s)/Mail Date	
Information Disclosure Statement(s) (PTO-1449 or PTO/SB/		Informal Patent Application (PT	O-152)
Paper No(s)/Mail Date	6) Other:	·	

DETAILED ACTION

Claim Rejections - 35 USC § 103

Claims 1-13 are rejected under 35 U.S.C. 103(a) as being unpatentable over Yoshimura in view of Peters et al.

The patent by Yoshimura (JP 06093856 A) shows an engine with a cooling circulation and at least one line having a cooling liquid being intermittently deionized (1).

The cooling liquid is deionized by an ion exchanger (1).

The patent by Yoshimura does not specify that the coolant fluid contains a nonionic corrosion inhibitor. The patent by Peters et al. (4,404,113) teaches that it is well known that coolants containing .1% - 3% of a sulfamide compound acts as corrosion inhibitor for the engine parts. In view of Peters et al., it would have been obvious to anyone skilled in the art who wanted a coolant system with an ion exchanger that reduces corrosion to improve on Yoshimura by providing a coolant fluid with corrosion inhibitors such as a sulfamide compound.

The patent by Yoshimura does not specify the type of ion exchanger, it is the view of the examiner that the type of ion exchanger is an obvious choice of design because no new or unexpected results are achieved by either of the ion exchanger types.

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. The patent by Peters et al. (4,404,113) specifically is relevant to the type of coolant fluid.

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jason Benton whose telephone number is (571) 272-4838. The examiner can normally be reached on flex.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Henry Yuen can be reached on (571) 272-4856. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

JB

Noah P. Kamen Primary Examiner